

(12) UK Patent Application (19) GB (11) 2 219 763⁽¹³⁾A

(43) Date of A publication 20.12.1989

(21) Application No 8906433.1

(22) Date of filing 21.03.1989

(30) Priority data

(31) 8814070

(32) 14.06.1988

(33) GB

(51) INT CL^{*}

B25H 7/00

(52) UK CL (Edition J)

B4X X2F

U1S S1715

(56) Documents cited

None

(58) Field of search

UK CL (Edition J) B4X

INT CL^{*} B25H 7/00

(71) Applicants

Brian O'Mara

71 Cae Glas Road, Rumney, Cardiff, Wales,
United Kingdom

Neil O'Mara

243 Burnham Avenue, Lanrumney, Cardiff,
United Kingdom

Stephen O'Mara

17 Heol Cefni, Cae Mawr, Morriston, Swansea,
United Kingdom

(72) Inventors

Brian O'Mara

Neil O'Mara

Stephen O'Mara

(74) Agent and/or Address for Service

Urquhart-Dykes & Lord

Cardiff Business Technology Centre,
Senghennydd Road, Cardiff, CF2 4AY,
United Kingdom

(54) Hinge fitting template

(57) A device for use in fitting hinges to a door comprises a channel-section element 10 having a rectangular aperture 12a in its base and adjacent one edge. In use, the element 10 is fitted over the edges of the door and the aperture 12a is used for either marking out or cutting out a recess required for receiving the hinge.

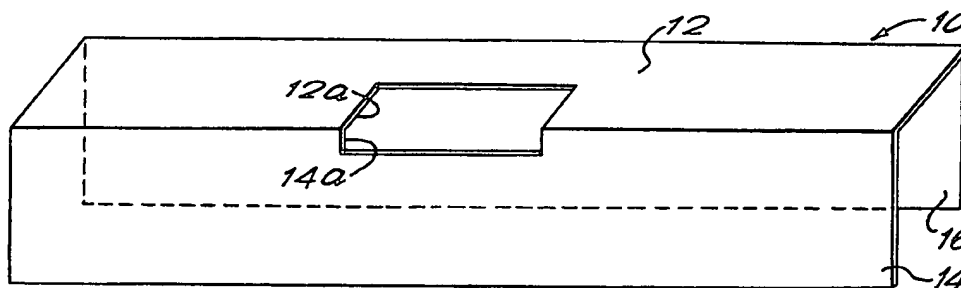


FIG.1.

1/2

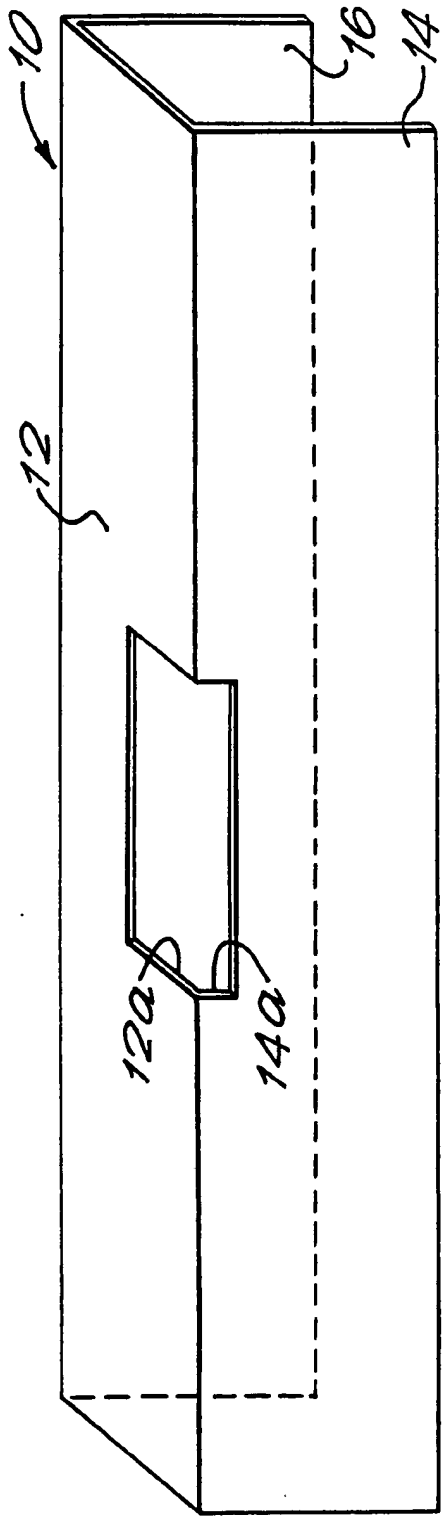


FIG. 1.

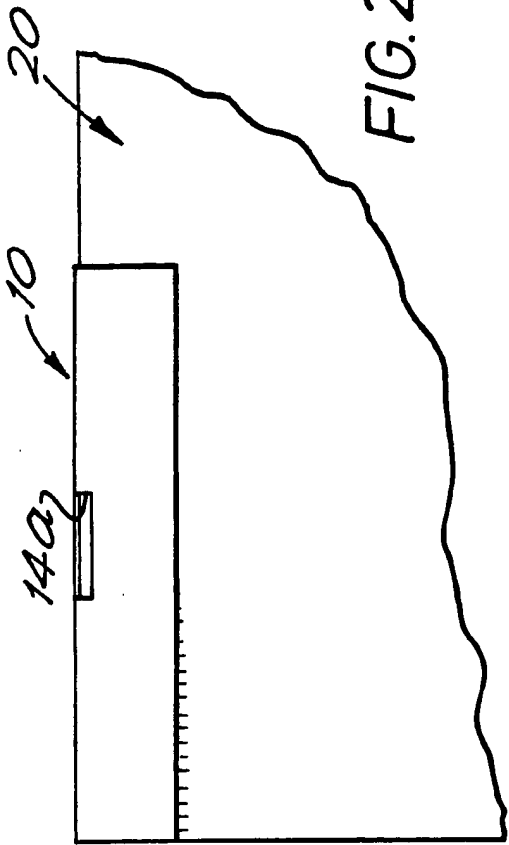
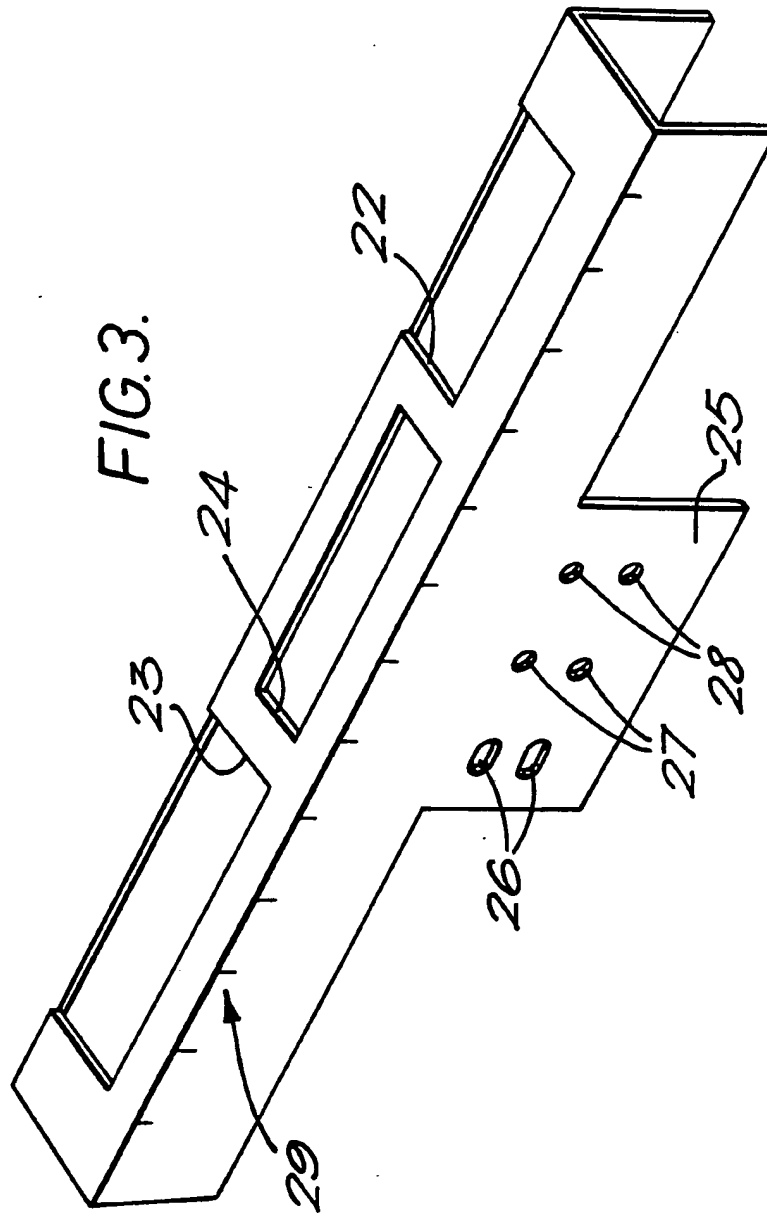


FIG. 2.



- 1 -

2219763

HINGE POSITIONING DEVICE

This invention relates to a device for use in fitting hinges to a door.

When hanging a door to a doorframe, the positioning of the hinges on the edge of the door needs to be carried out carefully otherwise the door will not hang correctly. Also care is needed to ensure that the recess cut in the edge of the door is formed of the correct size so as to receive the hinge flange neatly.

We have now devised a device for use in fitting hinges accurately and neatly to the edge of a door.

In accordance with this invention, there is provided a device for use in fitting hinges to a door, comprising a channel-section element for fitting over an edge of the door, a rectangular opening being formed in the base of the channel-section element and adjacent one of its longitudinal edges.

In use of this device, the channel-section element is fitted over the edge of the door which is to receive the hinges. The element is positioned so that the rectangular opening lies where the hinge is to be positioned. Preferably one end of the channel section element is aligned with the top or bottom edge of the door in order to achieve this. Then either the rectangular opening is used for marking out the position which the hinge is to occupy (and the device removed so that the recess for the hinge can be cut out from the door), or the recess can be cut out from the door whilst the device is left in position.

Preferably the device is also arranged for use in fitting a lock to a door, for which purpose the base of the channel-section element is formed with a further rectangular opening centrally between its longitudinal edges. Preferably also the sides of the channel-section

element is formed with a further rectangular opening centrally between its longitudinal edges. Preferably also the sides of the channel-section element are formed with holes for locating the positions of the elements of the lock (e.g. door handle) on the sides of the door.

Embodiments of this invention will now be described by way of example only and with reference to the accompanying drawings, in which:

FIGURE 1 is a perspective view of a device in accordance with this invention;

FIGURE 2 is a side view on a reduced scale of part of a door with the device fitted to one of its edges ready for marking out or cutting out a hinge recess in the edge of the door; and

FIGURE 3 is a perspective view of a modified device with apertures for marking or cutting out hinge recesses of selected sizes and also for use in marking or cutting out recesses for a door lock.

Referring to Figure 1 of the drawings, there is shown a device or template for use in accurately positioning hinges when fitting these to a door. The device or template comprises a channel-section element 10 having a base wall portion 12 and two parallel side walls 14, 16 projecting from the opposite edges of the base wall generally at a right-angle to the latter. The channel section element 10 is preferably a one-piece moulding of plastics material so that it can be fitted over the edge of a door 20, as shown in Figure 2, with the base wall 12 in face-to-face contact with the edge of the door and the opposite side walls 14, 16 gripping the opposite faces of the door and so retaining the device firmly on the edge of the door.

The base wall 12 is formed with a rectangular opening 12a adjacent one of its edges and mid-way between its opposite ends. This opening is extended into the

adjacent side wall 14 by a rectangular opening 14a corresponding to the depth of the recess which needs to be cut into the edge of the door to receive the hinge.

In use, the device is positioned over the edge of the door as shown in Figure 2, preferably with one of its ends aligned with the top (or bottom) edge of the door. The opening 12 of the device may be for example 6 inches from each end of the device and so suited for positioning hinges 6 inches from the top and bottom edges of the door, if the device is aligned with each of these edges in turn. In each position of the device, the position for the hinge may be marked on the door by running a pencil or sharp edge around the edge of the opening 12, 12a in the device, so that the required recess for the hinge can be cut out when the device is removed. Instead, the recess for the hinge can be cut out whilst the device is in position on the door, using the edge of the opening to define the limits of the recess.

By using the device or template which has been described, recesses of the correct size and depth and position can be cut in the edge of the door and then the hinges fixed into these. The recesses required in the door frame can then be marked up by offering the door up to the door frame in the required position and running a pencil or scribe around the hinges when these are laid against the frame.

The device or template shown in Figure 3 can be used for hinges of selected sizes, e.g. either 3 or 4 inch hinges. For this purpose the base of the channel-section element is formed with two apertures 22, 23 adjacent one longitudinal edge, respectively of 3 and 4 inch lengths. Furthermore, the device shown in Figure 3 is arranged for use in marking out or cutting out a recess in the edge of the door to receive a lock. Thus, the base of the channel-section element is formed with a further rectangular

aperture 24 extending lengthwise of the device and centrally between its opposite longitudinal edges. The opposite sides of the channel-section element are extended at 25 and provided with holes for locating the positions of the elements of the lock on the sides of the door and include e.g. holes 26 for keyholes of alternative size locks and holes 28 for door handles of alternative size locks. The device shown in Figure 3 is also provided with graduations 29 along one of its edges.

CLAIMS

- 1) A device for use in fitting hinges to a door, comprising a channel-section element for fitting over an edge of a door, a rectangular opening being formed in the base of the channel section element and adjacent one of its longitudinal edges.
- 2) A device as claimed in claim 1, in which the base of the channel section element is formed with two said rectangular openings of different sizes for different sizes of hinge.
- 3) A device as claimed in claim 1 or 2, in which the base of the channel-section element is formed with a further rectangular opening positioned centrally between the opposite longitudinal edges of the element, for use in marking or cutting out a recess in the edge of the door for a lock.
- 4) A device as claimed in claim 3, in which the opposite longitudinal sides of the channel-section element are formed with holes for use in locating the positions of elements of the lock on the sides of the door.
- 5) A device substantially as herei described with reference to and as shown in Figure 1 or 3 of the accompanying drawings.
- 6) A method of fitting a hinge to a door using a device as claimed in claim 1, comprising fitting the channel section element over an edge of the door, then using the rectangular opening adjacent the longitudinal

edge of the element for marking out or cutting out a recess to receive the hinge.